

IN THE CLAIMS

1. (Currently amended) A grinding mill, comprising:

a grinding ring;

an eccentric disc, defining a horizontal plane, placed Inside said grinding ring and having a periphery with a plurality of seats, each seat having two radially oriented lateral walls into which horizontally oriented elongated holes are cut and an extension piece that extends in a downward direction;

a- at least one grinding wheel, having a lower side with a base set into one of said seats and being placed next to said grinding ring; and

a regulating device, further comprising

at least one elastic plate assembly, having an upper end fastened to said base of each of said grinding wheels and a lower end that extends downward,

a- at least one first adjusting device, each holding said base of one of said grinding wheels in one of said seats at a preset horizontal position,

a- at least one covering plate, covering an outer side of said seat of one of said grinding wheels and having a hole,

a- at least one second adjusting device, mounted on said hole of one of said covering plates, allowing to adjustment of a distance between said grinding wheel and said grinding ring and to adjustment of mutual orientations thereof to be parallel, and

at least one third adjusting device, one said third adjusting device being mounted at said lower end of each said elastic plate assembly, fixing each said elastic plate assembly to said extension piece of one of said seats at a lower end thereof, determining an elastic force of each said elastic plate assembly,

wherein said first, second and third adjusting elements allow to adjustment of said distance and mutual orientation between said grinding wheel and said grinding ring as well as a grinding force.

2. (Currently amended) The grinding mill according to claim 1, wherein each said elastic plate assembly has an arc-like shape.

3. (Currently amended) The grinding mill according to claim 1, wherein each said elastic plate assembly on said lower end thereof has an elongated incision.
4. (Original) The grinding mill according to claim 1, wherein said first, second and third adjusting elements each comprise a threaded rod and/or nuts.
5. (Previously presented) The grinding mill according to claim 1, further comprising:
a separator, used in conjunction with said grinding mill and mounted in a main body thereof on a rotating vertical separator shaft, said separator comprising two support rings of equal sizes and shapes, mounted on top of each other, having openings surrounded by a plurality of fixing holes; and
a plurality of blades, having vertical rods that are put through said fixing holes of said two support rings.
6. (Previously presented) The grinding mill according to claim 5, wherein said blades are surrounded by a guiding device.
7. (Previously presented) The grinding mill according to claim 6, wherein said guiding device comprises a drum body, having a peripheral surface with a plurality of openings which are covered by inclined lids fixed to one edge, and a pan, mounted below said drum body at a vertically adjustable distance.
8. (Previously presented) The grinding mill according to claim 7, wherein said inclined lids point outwards.
9. (Previously presented) The grinding mill according to claim 7, wherein said inclined lids point inwards.
10. (Previously presented) The grinding mill according to claim 7, wherein said inclined lids alternatingly point inwards and outwards.
11. (Previously presented) The grinding mill according to claim 7, wherein an extension ring is attached to an upper side of said drum body.